 FORM PTO-1449 INFORMATION DISCLOSURE CITATION			Attorney Docket:		Serial No.:	
			4024-4008		09/896,797	
			Applicant:			
			John Trezza			
			Filing Date:		Group Art Unit:	
			June 29, 2001		2872	
U.S. PATENT DOCUMENTS						
Examiner Initial	Patent Number	Publication Date	Name	Class	Sub-Class	Filing Date
<i>A</i>	4,533,833		Copeland et al.	—	—	August 6, 1985
<i>B</i>	5,266,794		Olbright et al.	—	—	November 30, 1993
<i>B</i>	5,269,453		Melton et al.	—	—	December 14, 1993
<i>B</i>	5,385,632		Goossen	RECEIVED SEP 30 2002 Technology Center 2600		January 31, 1995
<i>B</i>	5,477,933		Nguyen			December 26, 1995
<i>B</i>	5,793,789		Ben-Michael et al.			April 11, 1998
<i>B</i>	5,814,889		Gaul	—	—	September 29, 1998
<i>B</i>	6,005,262		Cunningham	—	—	December 21, 1999
<i>B</i>	6,048,751		D'Asaro et al.	—	—	April 11, 2000
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<i>B</i>	6,184,066		Chino	—	—	February 6, 2001
<i>B</i>	6,215,114		Yagi et al.	—	—	April 10, 2001
<i>B</i>	6,253,986		Brofman	—	—	July 3, 2001
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<i>B</i>	6,340,113		Avery et al.	—	—	January 22, 2002
<i>B</i>	6,343,171		Yoshimura et al.	—	—	January 29, 2002
<i>B</i>	Pub. No. US2001 /00207939		Honda	—	—	September 13, 2001
<i>B</i>	Pub. No. US2001 0038103		Nitta et al	—	—	November 8, 2001

Examiner	<i>Bells</i>	Date Considered	<i>4/12/05</i>
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FORM PTO-1449 INFORMATION DISCLOSURE CITATION	Attorney Docket: 4024-4008	Serial No.: 09/896,797
	Applicant: John Trezza	
	Filing Date: June 29, 2001	Group Art Unit: 2872

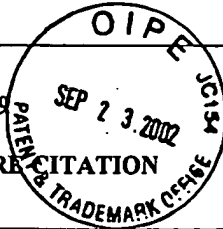
Pub. No. US2001 0081773	Inoue et al.	RECEIVED SEP 30 2002	June 27, 2002
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Examiner Initial	Patent Number	Publication Date	Country	Class	Sub-Class	Translation
						<input type="checkbox"/> Yes <input type="checkbox"/> No
						<input type="checkbox"/> Yes <input type="checkbox"/> No
						<input type="checkbox"/> Yes <input type="checkbox"/> No

OTHER DOCUMENTS (continued)	
<i>[Handwritten: \$]</i>	Ahadian, J.F., et al., "Practical OEIC's Based on the Monolithic Integration of GaAs-InGap LED's with Commercial GaAs VLSI Electronics", IEEE Journal of Quantum Electronics, Vol. 34, No. 7, pages 1117-1123, July 1998.
<i>[Handwritten: \$]</i>	Alduino, A.C. et al., "Quasi-Planar Monolithic Integration of High-Speed VCSEL and Resonant Enhanced Photodetector Arrays", IEEE Photonics Technology Letters, Vol. 11, No. 5, pages 512-514, May 1999.
<i>[Handwritten: \$]</i>	Anderson, B., "Rapid Processing And Properties Evaluation Of Flip-Chip Underfills", Dexter Electronic Materials, 9 pages.
<i>[Handwritten: \$]</i>	Corbett, B. et al., "Resonant Cavity Light Emitting Diode and Detector Using Epitaxial Liftoff", IEEE, Vol. 5, No. 9, pages 1041-1043, September 1993.
<i>[Handwritten: \$]</i>	Geib, K.M. et al., "Monolithically Integrated VCSELs and Photodetectors for Microsystem Applications", IEEE, pages 27-28, 1998.
<i>[Handwritten: \$]</i>	Goodman, J. et al., "Optical Interconnections for VLSI Systems", Proceedings of the IEEE, Vol. 72, No. 7, pages 850-865, July 1984.
<i>[Handwritten: \$]</i>	Goossen, K. W. et al., "GaAs 850 nm Modulators Solder-Bonded to Silicon", IEEE Photonics Technology Letters, Vol. 5, No. 7, July 1993.
<i>[Handwritten: \$]</i>	Goossen, K.W. et al., "GaAs MQW Modulators Integrated with Silicon CMOS", IEEE Photonics Technology Letters, Vol. 7, No. 4, pages 360-362, April 1995.
<i>[Handwritten: \$]</i>	Hibbs-Brenner, M.K., et al., "VCSEL/MSM Detector Smart Pixel Arrays", IEEE, pages 3 and 4, 1998.
<i>[Handwritten: \$]</i>	Lesser, M.P. et al., "Bump Bonded Back Illuminated CCDs", SPIE, Vol. 1656, pages 508-516, 1992.

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Nakahara, T., et al., "Hybrid Integration of Smart Pixels by Using Polyimide Bonding: Demonstration of a GaAs p-i-n Photodiode/CMOS Receiver", IEEE Journal Of Selected Topics In Quantum Electronics, pages 209-216, 1999.

Ohsaki, T., "Electronic Packaging in the 1990's -A Perspective From Asia", IEEE Transactions On Components, Hybrids, And Manufacturing Technology, Vol. 14, No. 2, pages 254-261, June 1991.

Pommerrenig, D.H. et al., "Hybrid silicon focal plane development: an update", SPIE, Vol. 267, pages 23-30, 1981.

Pu, R. et al., "Comparison of Techniques for Bonding VCSELs Directly to ICs", SPIE Vol. 3490, pages 498-501, June 2005.

Pu, R. et al., "Hybrid Integration of VCSELs to Foundry Fabricated Smart Pixels", IEEE/LEOS Spring Meetings, pages 25 and 26, 1997.

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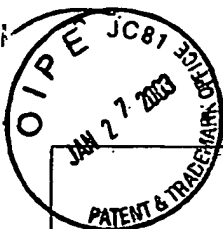
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Examiner Initial	Patent Number	Issue Date	Name	Class	Sub-Class	Filing Date
<i>[Signature]</i>	5,521,734	May 28, 1996	Frigo	—	—	December 30, 1994
<i>[Signature]</i>	5,861,968	January 19, 1999	Kerklaan et al.	—	—	September 5, 1996
<i>[Signature]</i>	5,909,294	June 1, 1999	Doerr et al.	—	—	May 16, 1997
<i>[Signature]</i>	5,912,997	June 15, 1999	Bischel et al.	—	—	June 16, 1997
<i>[Signature]</i>	5,946,130	August 31, 1999	Rice	—	—	October 3, 1997
<i>[Signature]</i>	5,991,479	November 23, 1999	Kleinerman	—	—	October 23, 1997
<i>[Signature]</i>	6,118,908	September 12, 2000	Bischel et al.	—	—	June 15, 1999
<i>[Signature]</i>	6,136,623	October 24, 2000	Hofstetter et al.	—	—	May 6, 1998
<i>[Signature]</i>	Publication No. US 2001/0030782 A1	Publication Date: October 18, 2001	Trezza	—	—	December 8, 2000
<i>[Signature]</i>	6,317,235	November 13, 2001	Hamilton	—	—	August 28, 1998
<i>[Signature]</i>	Publication No.: US 2002/0051268 A1	May 2, 2002	Tonehira et al.	—	—	February 19, 2001

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Examiner Initial	Patent Number	Publication Date	Country	Class	Sub-Class	Translation

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<i>[Signature]</i>	International Search Report dated November 12, 2002
<i>[Signature]</i>	International Search Report dated December 13, 2002
<i>[Signature]</i>	International Search Report dated December 17, 2002

Examiner <i>[Signature]</i>	Date Considered 4/12/05
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FORM TPO-1449

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U.S. PATENT DOCUMENTS

Examiner Initial	Patent Number	Issue Date	Name	Class	Sub-Class	Filing Date
<i>JB</i>	6,404,542	June 11, 2002	Ziari et al.			July 10, 2000
<i>JB</i>	Publication No. US 2002/0168139 A1	November 14, 2002	Clarkson et al.			March 29, 2002

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Examiner Initial	Patent Number	Publication Date	Country	Class	Sub-Class	Translation

☐ Yes ☐ No

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<i>JB</i>	International Search Report dated January 30, 2003

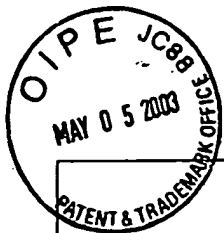
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Examiner Initial	Patent Number	Issue Date	Name	Class	Sub-Class	Filing Date
<i>JS</i>	5,299,222	March 29, 1994	Shannon	—	—	March 11, 1992
<i>JS</i>	5,485,480	January 16, 1996	Kleinerman	—	—	March 25, 1994
<i>JS</i>	5,499,313	March 12, 1996	Kleinerman	—	—	September 13, 1994
<i>JS</i>	5,511,085	April 23, 1996	Marshall	—	—	September 2, 1994
<i>JS</i>	5,602,863	February 11, 1997	Itagaki	—	—	July 19, 1994
<i>JS</i>	5,637,885	June 10, 1997	Heinemann et al.	—	—	April 7, 1995
<i>JS</i>	5,715,270	February 3, 1998	Zediker et al.	—	—	September 27, 1996
<i>JS</i>	Publication No. US-2002/0154355 A1	October 2002	Payne et al.	—	—	August 16, 2001

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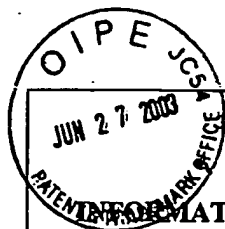
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U.S. PATENT DOCUMENTS

Examiner Initial	Patent Number	Issue Date	Name	Class	Sub-Class	Filing Date
<i>B</i>	5,843,799	December 1, 1998	Hsu et al.			January 13, 1997

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Examiner Initial	Patent Number	Publication Date	Country	Class	Sub-Class	Translation
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<i>B</i>	Copy of Written Opinion for PCT/US02/20012

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 FORM PTO-1449 INFORMATION DISCLOSURE CITATION		Attorney Docket: 4024-4008		Serial No.: 09/896,797		
		Applicant: John Trezza				
		Filing Date: June 29, 2001		Group Art Unit: 2872		
U.S. PATENT DOCUMENTS						
Examiner Initial	Patent Number	Issue Date	Name	Class	Sub-Class	Filing Date
<i>B</i>	4,341,438	July 27, 1982	Seki et al.			May 28, 1980
<i>B</i>	5,877,519	March 2, 1999	Jewell			March 26, 1997
<i>B</i>	5,946,545	August 31, 1999	Bertin et al.			October 2, 1997
<i>B</i>	5,764,405	June 9, 1998	Alphonsus			October 10, 1996
FOREIGN PATENT DOCUMENTS						
Examiner Initial	Patent Number	Publication Date	Country	Class	Sub-Class	Translation
<i>B</i>	EP 1022 869 A1	July 26, 2000	Europe			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<i>B</i>	EP 0 762 677 A2	March 12, 1997	Europe			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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OTHER DOCUMENTS						
<i>B</i>	Supplementary European Search Report for EP 02 73 9971 dated June 25, 2004 (3 pages)					

Examiner <i>Bellie</i>	Date Considered <i>9/12/05</i>
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2872

U.S. PATENT DOCUMENTS

Examiner Initial	Patent Number	Issue Date	Name	Class	Sub-Class	Filing Date
<i>BT</i>	4,481,403	November 6, 1984	Del Monte	<i> </i>	<i> </i>	March 4, 1983
<i>BT</i>	6,438,150	August 20, 2002	Yoo	<i> </i>	<i> </i>	March 9, 1999
<i>BT</i>	6,532,101	March 11, 2003	Islam et al.	<i> </i>	<i> </i>	March 16, 2001
<i>BT</i>	6,553,044	April 22, 2003	Eden	<i> </i>	<i> </i>	October 20, 1998

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Examiner Initial	Patent Number	Publication Date	Country	Class	Sub-Class	Translation
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